



Washington Department of Fish and Wildlife

Fish Passage & Diversion Screening Inventory Database Report Cover Sheet

The following report is extracted from the Washington Department of Fish and Wildlife's (WDFW) Fish Passage and Diversion Screening Inventory Database (FPDSI). WDFW makes every attempt to keep these reports in sync with FPDSI; however, the dynamic nature of the data and workflows associated with maintaining the database may result in short-term differences.

Users are encouraged to contact WDFW to discuss appropriate use of the data and how we can assist with fish passage barrier removal or inventory. Please visit the Fish Passage web site for contact information at: <https://wdfw.wa.gov/species-habitats/habitat-recovery/fish-passage/about>

Disclaimers:

- Data presented here represent a snapshot observation of conditions in a dynamic environment that is subject to change. Fish passage data are also collected from a variety of agencies and sources. Therefore, WDFW makes no guarantee concerning the data's content, accuracy, completeness, or the results obtained from use of the data. WDFW assumes no liability for the data represented here.
- These data are not an attempt to provide you with an official agency response as to the impacts of your project on fish and wildlife.
- Note that some fish passage features, habitats or species may occur in areas not currently known to the WDFW Fish Passage division, and may not be reflected in this database. A lack of data does not necessarily indicate that a feature, habitat, or species are not present.
- Unauthorized attempts to alter or modify these data are strictly prohibited.
- Bankfull width measurements included in these reports should not be used for fish passage crossing design. They are solely for assessment purposes.
- The barrier status reported in this document is based on the swimming abilities of adult salmonids. Passabilities are a qualitative value, and should not be interpreted as a quantitative calculation. Please see page 1-4 of the Fish Passage Inventory, Assessment and Prioritization Manual for further clarification: <https://wdfw.wa.gov/publications/02061>
- EXIF data presented with Image Reports may be erroneous due to camera battery failures and resetting of camera clock functions.

Abbreviations:

Most abbreviations in this report are defined in the Quick Reference Tables of the Fish Passage Inventory, Assessment, and Prioritization Manual. Additional commonly used abbreviations are defined as follows:

NFB = no potential salmonid use, **BB** = both banks, **LB** = left bank looking downstream, **RB** = right bank looking downstream, **US** or **U/S** = upstream, **DS** or **D/S** = downstream, **WSDrop** = water surface drop, **BFW** = bankfull width, **OHW** = ordinary high water, **SLW** = scour line width, **CMP** = corrugated metal pipe, **Q_{fp}** = fish passage flow, **V&D** = Velocity and Depth, **ROW** = Right of Way

The FPDSI database often uses default values such as '-99.99' or '-999' to represent null values.

WDFW Fish Passage and Diversion Screening Inventory Database

Site Description Report

Site ID 04.0675 0.54

Project

☐ Mitigated

Geographic Coordinates

Latitude (WGS 84): 48.45482612
Longitude (WGS 84): -121.6100443
East (NAD 83 HARN): 1,370,925.3
North (NAD 83 HARN): 1,140,446.9

General Location

Road Name: Concrete Sauk Valley Rd
Mile Post: 12.20
County: Skagit
WDFW Region: 4

Waterbody

Stream: Rudd Cr
Tributary To: Sauk R
WRIA: 04.0675
River Mile: 0.54
Fish Use Potential: Yes
FUP Criteria: Mapped

Owner

Type: County
Name: Skagit County

PI Species

☐ Sockeye ☐ Chinook ☒ Sea Run Cutthroat
☐ Pink ☒ Coho ☒ Resident Trout
☐ Chum ☒ Steelhead ☐ Bull Trout

Associated Features

☒ Culvert ☐ Dam ☐ Natural Barrier ☐ Diversion
☐ Non-Culvert Xing ☐ Other ☐ Fishway

Location/Directions

Site Comments

Reported by Rich Johnson in 1985.

11/18/2021

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WDFW Fish Passage and Diversion Screening Inventory Database

Level A Culvert Assessment Report

Site ID: 04.0675 0.54		
Latitude: 48.45482612	Stream: Rudd Cr	WRIA: 04.0675
Longitude: -121.6100443	Tributary To: Sauk R	Fish Use Potential: Yes

Data Source:	Skagit County	
Field Crew:	JB;ME	Review Date: 1/30/2018

Culvert Details								Level A Parameters					
ID	Shape	Material	Span	Rise	Length	WDIC	Apron	WSDrop	Location	Countersunk	Backwater	Slope (%)	Sediment
1.1	RND	OTH	1.68	1.68	40.00	0.68	BE	0.61	Outlet	No	No	0.80	
All dimensions in meters													

Channel Description	
Toe Width (m):	-99.99
Average Width (m):	4.70
Culvert/Stream Width Ratio:	0.36
Plunge Pool	
Length (m):	0.00
Max Depth (m):	-99.99
OHW Width (m):	-999.99
Road	
Fill Depth (m):	10.00



Assessment Results		Tidal Influence:	No	Tidegate Present:	No
Barrier:	Yes	Passability (%):	33	Method:	Level A
Reason:	WS Drop	Fishway Present:	No	Recheck:	

Comments
No plunge pool - flows directly onto large rip-rap. Concrete headwall at inlet. 1.83 m PCC at inlet, 1.68 m CST at outlet (CST for lower 6.5 m of pipe).

Potential Habitat Gain		
Survey Type:		Spawning (sq m):
Significant Reach:	Yes	Rearing (sq m):
		Length (m):
		PI Total:

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WDFW Fish Passage and Diversion Screening Inventory Database

Image Report - Active

Site ID: 04.0675 0.54

Latitude: 48.45482612

Stream: Rudd Cr

WRIA: 04.0675

Longitude: -121.6100443

Tributary To: Sauk R

Fish Use Potential: Yes

Associated Features

☒ Culvert

☐ Dam

☐ Natural Barrier

☐ Diversion

☐ Non-Culvert Xing

☐ Other

☐ Fishway



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